



U.S. Department  
of Transportation

**Federal Aviation  
Administration**

# Advisory Circular

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**Subject:** PROGRAMS FOR TRAINING OF AIRCRAFT  
RESCUE AND FIREFIGHTING PERSONNEL

**Date:** 4/6/95

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**Initiated by:** AAS-100

**Change:** 1

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**PURPOSE.** Chapter 9, Programs Available, has been changed to reflect a new source for the FAA Standard Basic Aircraft Rescue and Firefighting Curriculum, and to update other sources of training programs.

The change number and date of change is shown at the top of each page. The changed material is indicated by lines in the left-hand column margins.

## PAGE CONTROL CHART

Remove Pages	Dated	Insert Pages	Dated
7 through 10	3/9/94	7	3/9/94
		8 and 9	4/6/95
		10	3/9/94

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Acting Director, Office of Airport Safety and Standards

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requirements set forth in the standard. A training program which leads to the fulfillment of the professional qualifications for an airport firefighter identified in NFPA 1003-1987 is a means acceptable to the Administrator of providing firefighting and rescue personnel with the training considered necessary to perform their duties at airports. A training program encompassing at least the requirements in 5. above which leads to the fulfillment of the criteria for the applicable state level airport firefighter certification is also an acceptable means of meeting this requirement. Copies of NFPA 1003-1987 may be ordered from NFPA at the address in 9.c. below.

**b. American Association of Airport Executives (AAAE) Certification.** The AAAE Aircraft Rescue and Fire Fighting Certification Program was developed to recognize ARFF personnel who have demonstrated more than normal devotion to their profession by exceeding regular job requirements and to standardize ARFF training. This is a voluntary program administered by AAAE and supported by FAA. The levels for the ARFF Certification Program are:

- The Basic Level - designed to recognize personnel who have recently entered the ARFF profession.
- The Senior Level - designed to recognize more experienced ARFF personnel.
- The Master Level - designed to recognize personnel involved in ARFF on a management level.

For further information on the AAAE ARFF Certification Program, contact AAAE directly at the address in 9.b. below.

**7. MUTUAL AID AGREEMENTS.** Where mutual aid agreements exist with U.S. Air Force personnel and/or municipal fire services surrounding the airport, familiarization training between all parties should be provided. In connection with such mutual aid agreements, the U.S. Air Force encourages and extends the use of Air Force base training facilities to surrounding municipal fire organizations, as explained in Air Force Regulation 92-1, Fire Protection Program.

**8. NONCERTIFICATED AND LIMITED CERTIFICATED AIRPORTS.** There are no regulatory requirements for ARFF services at noncertificated airports, and requirements at limited certificated airports vary. However, at those airports that have ARFF coverage, or for fire departments that have an airport responsibility, the information found in the available programs is useful.

## **9. PROGRAMS AVAILABLE.**

**a. FAA Standardized Basic Aircraft Rescue and Firefighting Curriculum.** This course has been designed to be appropriate for inclusion in initial training, i.e., contributing knowledge of basic aircraft rescue and firefighting principles. Successful completion of this course provides the student with the minimum knowledge and improves skills necessary for handling an aircraft emergency effectively. The successful graduate should have the minimum level of professional competency necessary to qualify as an airport firefighter within part 139: Certification and Operation: Land Airports Serving Certain Air Carriers. In addition, successful completion should put graduates well on their way to meeting the criteria in National Fire Protection Association 1003-1987, Standard for Airport Fire Fighter Professional Qualifications.

**(1) Format.** The course materials are arranged in a modular format. This offers instructors flexibility to: schedule, select and emphasize content; tailor the materials to meet the students' levels of ability and dexterity; and reflect any specific local needs.

**(2) Course Materials.** As a complete package, the curriculum materials consist of the following:

Instructor's Guide;  
Course Transparencies (Master copies on paper);  
Final Test and Instructor's Key;  
Color Slides (35mm);  
Student Manual; and  
Aircraft Diagrams - Student's Copy.

The curriculum is designed for a minimum of 30 contact hours. Depending on the individual student's background and experience in firefighting, successful completion of all of the modules may

require significantly more actual classroom time and/or hands-on training.

**(3) Ordering Information.** To purchase the curriculum, write:

National Technical Information Service (NTIS)  
5285 Port Royal Road  
Springfield, VA 22161  
or call: (703) 487-4650

Use the following information when ordering your curriculum:

**Instructor Package**

Order No. AVA17555SS00 \$245.00

This package price includes: one 182-page Instructor Guide and one 164-page Student Manual reproduction master, unbound and shrink-wrapped; 43 overhead transparency masters, unbound and shrink-wrapped; one 12-page set of aircraft diagrams, unbound and shrink wrapped; one 12-page exam reproduction master; one 12-page exam key; and 344 color slides.

**Student Materials Package**

Order No. AVA17556BB00 \$65.00

This package price includes ten 152-page Student Manuals; and ten 12-page sets of Aircraft Diagrams.

**b. FAA Cosponsored Training Programs.** The following schools are endorsed and co-sponsored by the FAA. This list is not represented to be complete, nor does it indicate the only sources for such programs and/or reference materials. These programs have been reviewed and are endorsed by the FAA. AAAE may be contacted at:

American Association of Airport Executives  
4212 King Street  
Alexandria, VA 22302  
Telephone: (703) 824-0504  
Fax: (703) 820-1395

**(1) AAAE/FAA Basic Aircraft Rescue and Fire Fighting School.** This school will fulfill the initial and recurrent training requirements of part 139 for ARFF personnel on FAA certificated airports. The school includes classroom and live-fire activities at various training facilities.

**(2) AAAE/FAA Hazardous Materials Management School.** This course meets requirements under the Occupational Safety and Health Administration's (OSHA) regulation 1910.120 regarding use, storage, handling and transportation of

hazardous materials. The Environmental Protection Agency (EPA) also requires such training.

**(3) AAAE/FAA Aircraft Rescue and Fire Fighting "Train the Trainer" School.** This school is designed to instruct ARFF training officers in the proper techniques of developing and conducting ARFF training programs consistent with part 139 requirements.

**(4) AAAE/FAA Aircraft Rescue and Fire Fighting Aircraft Familiarization School.** This course provides hands-on training of emergency procedures from airlines and aircraft manufacturers. Training topics include aircraft design features, aircraft fuel systems, powerplants, and unique danger areas.

**(5) AAAE/FAA Emergency Response School.** This school provides training for personnel who are responsible for the planning for, managing of, or responding to an aviation emergency. The school includes case studies, workshops, and presentations by industry experts and government officials.

**(6) AAAE/FAA Aircraft Rescue and Fire Fighting Chiefs School.** This school provides training for ARFF Chiefs and other senior ARFF management, and provides an opportunity to participate with airport management in developing the most effective way to provide ARFF services in accordance with part 139.

**c. Other Programs.** The following organizations also provide firefighter training programs and/or reference materials. This list is not represented to be complete, nor does it indicate the only sources for such programs and/or reference materials. It does not represent an endorsement by the FAA. None of the programs or reference materials have been reviewed by FAA for adequacy.

Please send notification of changes to this list to:

Federal Aviation Administration  
Office of Airport Safety and Standards  
Design and Operations Criteria Division, AAS-100  
800 Independence Ave, SW  
Washington, DC 20591

Emergency Response Training Academy  
P.O. Box 724  
Blytheville, AR 72316  
Telephone: (501) 532-2500  
ARFF courses - basic and advanced.

Arkansas Fire Training Academy  
P.O. Box 3499  
Camden, AR 71701  
Telephone: (501) 574-1521  
ARFF course using FAA standardized curriculum, supplemented by a 16-hour course on flammable liquid firefighting that includes the use of structural firefighting equipment and the use of Aqueous Film Forming Foam (AFFF).

Aviation Emergency Training Consultants  
21095 Laurretta Drive  
Cupertino, CA 95014  
Telephone: (408) 257-0378  
ARFF courses - basic and advanced.

California State Fire Marshall  
Headquarters  
7171 Bowling Dr., Suite 600  
Sacramento, CA 95823-2034  
ARFF course, other specialized courses.

State of Connecticut  
Commission on Fire Prevention and Control  
294 Colony Street  
Meriden, CT 06450  
Telephone: (203) 238-6587  
ARFF course for fire departments who respond to aircraft emergencies with standard structural fire equipment, other specialized courses.

Georgia Fire Academy  
1000 Indian Springs Drive  
Forsyth, GA 31029-4670  
Introductory ARFF course, flammable liquids fire control course.

Georgia Association of Fire Chiefs, Inc.  
6724 Bells Ferry Road  
Woodstock, GA 30188  
Telephone: (404) 926-7155  
Reference materials, training manuals and videos, curriculum packages.

Illinois Fire Service Institute  
University of Illinois  
Fire Service Institute Building  
11 Gerty Drive  
Champaign, IL 61820  
Telephone: (217) 333-3800  
Certified Airport Fire Fighter course.

Indiana Fire Instructors Association  
424 Drake Road  
Kendallville, IN 46755  
Telephone: (219) 347-4748  
(800) 654-4748  
Fax: (219) 347-4767  
Reference materials, training manuals and videos, curriculum packages.

Iowa State University  
University Extension  
Fire Service Institute  
Ames, IA 50011-3100  
Telephone: (515) 294-6817  
Fax: (515) 294-2156  
ARFF courses.

Louisiana State University  
Firemen Training Program  
6868 Nicholson Drive  
Baton Rouge, LA 70810  
Telephone: (504) 766-0600  
ARFF courses - basic and advanced, training for instructors. Basic course includes FAA standardized curriculum, and is also offered on-site.

Maryland Fire and Rescue Institute  
University of Maryland  
College Park, MD 20742  
Basic training for instructors and officers.

The National Fire Protection Association (NFPA)  
 Batterymarch Park  
 Quincy, MA 02269  
 Telephone: (800)-344-3555  
 Reference materials, standards.

Duluth Technical College  
 2101 Trinity Road  
 Duluth, MN 55811  
 Telephone: (218) 722-2801  
 (800) 432-2884

ARFF courses, Emergency Medical Services for ARFF,  
 use of structural equipment for ARFF.

Mississippi State Fire Academy  
 Rt. 10, Box 295  
 Jackson, MS 39208  
 Telephone: (601) 932-2444  
 Fax: (601) 932-2819  
 ARFF courses, reference materials.

Fire and Rescue Training Institute  
 University of Missouri  
 205 Lewis Hall  
 Columbia, MO 65211-0001  
 Telephone: (314) 882-4735  
 Fax: (314) 882-0678  
 Twelve-hour course with an emphasis on the use of  
 structural fire apparatus in support of airport crash  
 rescue operations at or near small to mid-sized  
 airports.

Montana Air National Guard  
 Great Falls International Airport  
 Great Falls, MT 59401

State of Nevada  
 Department of Commerce  
 State Fire Marshall Division  
 Capitol Complex  
 Carson City, NV 89710  
 Telephone: (702) 687-4290  
 Fax: (702) 687-5122  
 ARFF course using FAA standardized curriculum.

State of New York  
 Department of State  
 Office of Fire Prevention  
 162 Washington Avenue  
 Albany, NY 12231-0001  
 Telephone: (518) 474-6746  
 Twelve-hour ARFF course for career and volunteer fire  
 departments operating off-airport.

VIML/CETE, Public Safety Publications  
 The Ohio State University  
 1900 Kenny Road  
 Columbus, OH 43210-1090  
 Telephone: (614) 292-4277  
 Fax: (614) 292-1260  
 Reference materials, training manuals and videos,  
 curriculum packages.

The International Fire Service Training Association  
 (IFSTA)  
 Oklahoma State University  
 Fire Protection Publications  
 Stillwater, OK 74078  
 Reference materials, training manuals and videos,  
 curriculum packages.

Pennsylvania State Fire Academy  
 1150 Riverside Drive  
 Lewistown, PA 17044  
 Telephone: (717) 248-1115  
 FAA Standardized ARFF course, 2-day Airport Annual  
 Burn course.

South Carolina Fire Academy  
 2920 Fire Academy  
 West Columbia, SC 29170  
 Telephone: (803) 822-5380 896-9850  
 Fax: (803) 822-5384 896-9856  
 Basic ARFF course designed to meet part 139 and  
 NFPA 1003.  
 Aircraft Rescue Fire Fighting Operations - Live Fire  
 Evolutions course designed to meet annual refresher  
 requirements of part 139.

South Dakota Air National Guard &  
 City of Sioux Falls Fire Department  
 Joe Foss Field  
 Sioux Falls, SD 57104

Fire Protection Training Division  
 Texas Engineering Extension Service  
 Texas A&M University  
 College Station, TX 77843-8000  
 Telephone: (409) 845-7641  
 Fax: (409) 845-9304  
 ARFF courses, basic and advanced.